Pairing Scheme / Instructions for Preparation of BISE Examination Paper

The paper of Physics (Tech) for class-10 will consist of 40 marks. Timing of the paper will be two (02) hours (Objective 15 minutes and Subjective 1: 45 hours). The paper will be made as per following details:

Objective	**Q-1:** 10 Multiple Choice Questions (MCQs) will be developed from the entire content of the textbook. One MCQ will be asked from each chapter.	(1×10) = 10
Subjective Part-I	This section will contain two short answer questions. Each short answer question will be asked from the content of the textbook. The detail is as follows: **Q-2:** 4 short answer questions have to be answered out of 6. The detail is as follows: • One short answer question will be asked from chapters; 10, 11, 12 and 13 each, and two short answer questions will be asked from chapter 14.	(2 × 4) = 8
	Q-3: 4 short answer questions have to be answered out of 6. The detail is as follows: • One short answer question will be asked from chapters; 15, 16, 17 and 18 each, and two short answer questions will be asked from chapter 19.	(2 × 4) = 8
Part-II	This section will contain three detailed questions and students have to attempt any two (02) questions carrying 7 marks each. Each detailed question will be asked form the content of the textbook. The detail is as follows: **Q-4:** One detailed question will be asked from chapters; 10, 11, 12 and 13. **Q-5:** One detailed question will be asked from chapters; 14, 15 and 16. **Q-6:** One detailed question will be asked from chapters; 17, 18 and 19.	(7 × 2) = 14

Note:	In this section, each question will consist of two parts. Part (a) may be asked form any chapter. Part (b) will be asked from any different chapter (not from the same chapter as Part (a). Part (a) will carry 3 marks, while Part (b) will carry 4 marks.

PAIRING SCHEME PHYSICS PRACTICALS (TECH) FOR GRADE 9-10

Max. Marks: 20 **Time: 02 hours**

Q. 1: Two practicals will be given from the 9th part. The candidate has to perform one practical out of them. Each practical will carry 8 marks, distributed as follows:

- The examiner in the laboratory will award you marks out of 4.
- The examiner in the BISE Marking Centre will award you marks out of 4.

Q. 2: Two practicals will be given from the 10th part. The candidate has to perform one practical out of them. Each practical will carry 8 marks, distributed as follows:

- The examiner in the laboratory will award you marks out of 4.
- The examiner in the BISE Marking Centre will award you marks out of 4.

3: Notebook (02)

4: Viva Voce (02)

MODEL PAPER PHYSICS PRACTICALS (TECH) FOR GRADE 9-10

4, 4 **Q.1:** Find the acceleration of a ball rolling down on an inclined angle iron by drawing a graph between $2S$ and t^2.

ایک انکلائنڈ اینگل آئرن پر لڑھکتے بال کے لیے $2S$ اور t^2 کے مابین گراف بنائیں اور پھر بال کا ایکسلریشن معلوم کریں۔

OR

Trace the magnetic field due to a bar magnet by using a compass needle.

کمپاس نیڈل کی مدد سے ایک بار میگنیٹ کے میگنیٹک فیلڈ کا نقشہ کھینچیں۔

4, 4 **Q.2:** Verify the laws of refraction by using a glass slab.

گلاس سلیب استعمال کر کے رفریکشن کے قوانین کی تصدیق کریں۔

OR

Find the resistance of a galvanometer by half deflection method.

ہاف ڈفلیکشن کے طریقے سے گیلوانومیٹر کی رزسٹنس معلوم کریں۔

2 **3:** Notebook نوٹ بک

2 **4:** Viva voce زبانی سوالات